



The State of North American Ports

Official Documentation

General Information

The State of Ports in North America is a report put together by [Auba Inc](#) seeking to consolidate into one source all relevant information about maritime trade in North America. We used ports as a proxy to measure maritime activity given their relevance to vessels. All maritime trade begins and ends at a port, making them an ideal means to understand trade at sea.

This report was born out of our own interest in better visualizing North American trade. However, we soon found that most sources of information would only provide a fragmented perspective on North America. So, we decided to aggregate all information into a single source.

Our data gathering efforts were consolidated into two separate datasets: *Auba_Ports_2024.csv* and *Auba_Ports_Cargo_Expansion_2024.csv*. The core difference between these datasets is the unit of measurement used. *Auba_Ports_2024.csv* provides port data measured in TEUs, while *Auba_Ports_Cargo_Expansion_2024.csv* provides port data for cargo, measured in metric tons.

In general, we looked for six variables for every port included: TEUs, Tons of Cargo, TEUs Imported, TEUs Exported, number of empty TEUs, and number of full TEUs.

A full description of each variable in the datasets in question can be found in the data dictionary: *Auba_Ports_Dictionary.csv*.

Files

The State of Ports in North America consists of two datasets and a data dictionary:

Auba_Ports_2024.csv: Data for North American ports measured in TEUs

Auba_Ports_Cargo_Expansion_2024.csv: Data for North American ports measured in tons of cargo.

Auba_Ports_Dictionary.csv: Data dictionary outlining all the variables used in the datasets

The Size of our Data

Using a variety of sources—carefully documented below—we were able to consider **276 ports for our report**. We attempted to include all ports in the region—which, likely, is an impossible task considering smaller sized ports. In the end, we considered 229 US ports, 41 Mexican ports, and 6 Canadian ports. All data in the report encompasses **the six year period between 2018 and 2023**. All data is presented as a yearly aggregate—thus explaining why we omitted data for 2024.



The final datasets for this report do not represent the totality of ports considered. In various instances, we found relatively small ports for which there was a single entry—or discrepancy across entries. Thus, our final datasets only represent the ports for which we found complete information in our areas of interest. In *Auba_Ports_2024.csv*, the final list of ports accounts for 77 ports in North America. In *Auba_Ports_Cargo_Expansion_2024.csv*, the final list of ports accounts for 165 ports in North America. The steep drop in the number of ports considered between datasets is directly related to the number of variables considered. While *Auba_Ports_2024.csv* considers five variables across six years, *Auba_Ports_Cargo_Expansion_2024.csv* only focuses on one variable (tons of cargo).

The Source of our Data

In making *The State of Ports in North America*, we only used three types of sources: official government records, official reports or websites of the ports in question, and official press briefings of the ports being considered. Seeking to provide full transparency on our data and sources, we provide a detailed account for each country and port below:

Mexican Ports

Mexican ports proved to be the easiest to account for in our efforts. All relevant information across reports was found in official government records from the country's Secretary of Communication and Transportation. Below, we include links for all years considered:

[Mexican Ports - 2018](#)

[Mexican Ports - 2019](#)

[Mexican Ports - 2020](#)

[Mexican Ports - 2021](#)

[Mexican Ports - 2022](#)

[Mexican Ports - 2023](#)

US Ports

US ports proved to be far more challenging to include in our dataset. For the years 2018-2021, we were able to access relevant information for cargo and TEUs in two separate datasets from the Army Corps of Engineers which we share below:

[Army Corps of Engineers - Cargo \(2018-19\)](#)

[Army Corps of Engineers - Cargo \(2020-21\)](#)

[Army Corps of Engineers - TEUs](#)

For all US port information post 2021 we consulted the individual websites of port authorities or local governments. We include all resources consulted below in no particular order:



[Port of Houston](#)
[Port of South Louisiana](#)
[Port of Corpus Christi](#)
[Port of New York \(NY and NJ\)](#)
[Port of Long Beach](#)
[Port of New Orleans](#)
[Port of Beaumont](#)
[Port of Greater Baton Rouge](#)
[Port of Virginia](#)
[Port of Los Angeles](#)
[Port of Plaquemines](#)
[Port of Mobile](#)
[Lake Charles Harbor and Terminal District](#)
[Port of Savannah](#)
[Port of Freeport](#)
[Port of Baltimore](#)
[Port of Duluth-Superior](#)
[Port of Philadelphia](#)
[Port of Northern Indiana District](#)
[Port of Tampa](#)
[Port of Charleston](#)
[Port of Texas City](#)

[Port of Valdez](#)
[Port of Portland](#)
[Port of Southern Indiana District](#)
[Port of Pascagoula](#)
[Port Everglades](#)
[Port of Seattle](#)
[Port of Richmond](#)
[South Jersey Port Corporation](#)
[Port of Oakland](#)
[Port of Honolulu](#)
[Port of Jacksonville](#)
[Port of San Juan](#)
[Port of Miami](#)
[Port of Alaska](#)
[Port of Wilmington](#)
[Port of Palm Beach](#)
[Port of Boston](#)
[Port of Kahului, Maui](#)
[Port of Ketchikan](#)
[Oxnard Harbor District](#)
[Port of Gulfport](#)
[Kawaihae Harbor](#)

Canadian Ports

Canadian ports were, by far, the most complicated to include in our dataset. Given an absence of government sources, we relied entirely on port authorities to understand the composition of Canadian maritime trade. In the end, we were able to include six ports for the period being examined: Vancouver, Montreal, Quebec, Prince Rupert, Halifax, and St John. For each port, we consulted different sources to include as much information possible for the period examined. Below, we include all relevant sources for each port:

[Montreal - 2018](#)
[Montreal - 2019](#)
[Montreal - 2020](#)
[Montreal - 2021](#)
[Montreal - 2022](#)
[Montreal - 2023](#)

[Prince Rupert - 2018](#)
[Prince Rupert - 2019](#)
[Prince Rupert - 2020](#)
[Prince Rupert - 2021](#)
[Prince Rupert - 2022](#)
[Prince Rupert - 2023](#)



[Vancouver - 2018](#)

[Vancouver - 2019](#)

[Vancouver - 2020](#)

[Vancouver - 2021](#)

[Vancouver - 2022](#)

[Port of Halifax - 2018](#)

[Port of Halifax - 2019](#)

[Port of Halifax - 2020](#)

[Port of Halifax - 2021](#)

[Port of Halifax - 2022](#)

[Port of Saint John - 2018](#)

[Port of Saint John - 2019](#)

[Port of Saint John - 2020](#)

[Port of Saint John - 2021](#)

[Quebec - 2019](#)

[Quebec - 2020](#)

[Quebec - 2021](#)

[Quebec - 2022](#)

Predictions

Despite our best efforts to provide a complete account of port activity in North America between 2018 and 2023, we often found that port authorities lagged behind on reporting recent data—sometimes, even several years worth of data. In order to provide a full account of the ports examined in our report, we used an autoregressive regression analysis to produce the most accurate prediction for missing values. For transparency, we labeled every predicted result in our datasets with an asterisk (*)—this has the added value of transforming values into a character rather than a numeric variable, allowing the user to easily detect when an entry was predicted. Below, we also include a list of all ports where at least one variable was predicted (a total of 48 ports).

Akutan Island	Kake	Prince Rupert
Apra Harbor	Ketchikan	Saipan
Baltimore	Miami	Salina Cruz
Bethel	Mobile	San Diego
Chatham Strait	Nawiliwili, Kaua'i	San Juan
Columbia River,	New Orleans	Savannah
Dalles-Mcry	Nome	Seattle
Cordova	Other Hawaiian Islands	Skagway
Dutch Harbor	Ports	St John
Ferndi Beach	Panama City	Tacoma
Freeport	Petersburg	Vancouver
Galveston	Philadelphia	Whittier
Haines	Port Hueneme	Wilmington
Halifax	Port Manatee	Wilmington
Hilo	Port of Charleston	Wrangell
Houston	Port of Virginia	Yakuta
Kahului, Maui	Prince of Wales Island	